

Control of the wave amplitude by phase mismatching variation in CARS spectroscopy

Fishman A., Skvortsov A.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

New possibilities for the resolution of Raman bands, provided by polarization-sensitive CARS in combination with a phase-mismatching technique, are presented. It is shown that the variation of the wave mismatching and the ratio of windows thickness make it possible to obtain additional information about closely lying Raman resonances. Copyright (C) 2000 John Wiley and Sons, Ltd.
